

Abidah Afdaliah. 2021. Pengembangan *E-booklet* Berbasis etnosains kolak ayam untuk meningkatkan literasi sains siswa. Skripsi , Program Studi Pendidikan IPA, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Mochammad Yasir

ABSTRAK

Penelitian ini adalah jenis penelitian pengembangan *Research and Development* (R&D) yang menghasilkan sebuah produk dan dilakukan uji coba. Tujuan pengembangan adalah untuk mengetahui kevalidan *e-booklet* berbasis etnosains kolak ayam, respons siswa, keterbacaan dan meningkatkan literasi sains siswa. Model pengembangan yang digunakan adalah ADDIE. Populasi penelitian mencakup siswa kelas VIII dan IX di SMP Sunan Dalem, dengan subjek terdiri atas 3 siswa kelas IX pada uji coba perorangan, 10 siswa kelas IX pada uji coba kelompok kecil, serta 25 siswa kelas VIII pada tahap implementasi. Teknik pengambilan sampel yang digunakan adalah *Purposive sampling*. Instrumen uji coba yang digunakan yaitu validasi materi, media, angket keterbacaan siswa, angket respons siswa serta tes literasi sains. Berdasarkan hasil penelitian dapat disimpulkan bahwa: (1) *E-booklet* berbasis etnosains kolak ayam memperoleh hasil validasi ahli materi sebesar 92,36% dan validasi ahli media sebesar 97,92% dengan kriteria sangat valid, (2) keterbacaan pada bahan ajar *e-booklet* sebesar 90,92% dengan kriteria sangat baik, (3) respons siswa pada bahan ajar *e-booklet* sebesar 90,81% dengan kriteria sangat baik, (4) peningkatan literasi sains siswa berdasarkan *N-gain* sebesar 0,47 dengan kriteria sedang. Dengan demikian, *e-booklet* berbasis etnosains kolak ayam mampu meningkatkan literasi sains siswa. Simpulan penelitian menunjukkan bahwa *e-booklet* berbasis etnosains kolak ayam memperoleh kriteria sangat layak sebagai bahan ajar IPA dan efektif dalam meningkatkan literasi sains siswa.

Kata kunci: *E-Booklet*, Literasi Sains Siswa, ADDIE, Kolak Ayam

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ABSTRACT

This research is a Research and Development (R&D) development research that produces a product and is tested. The development is to determine the validity of the ethnoscience based e-booklet on chicken kolak, student responses, readability and improve students' scientific literacy. The development model used is ADDIE. The research population included students in grades VIII and IX of SMP Sunan Dalem, with subjects consisting of 3 students in grade IX in the individual trial, 10 students in grade IX in the small group trial, and 25 students in grade VIII in the implementation stage. The sampling technique used was purposive sampling. The trial instruments used were validation of materials, media, student readability questionnaires, student response questionnaires, and science literacy tests. Based on the research results, it can be concluded that: 1) the ethnoscience based e-booklet of chicken kolak obtained a validation result of 92,36% from media experts with very valid criteria, 2) the readability of the e-booklet teaching materials was 90,92% with very good criteria, 3) the student response to the e-booklet teaching material was 90,81% with very good criteria, 4) the increase in students' scientific literacy based on N-Gain was 0,47 with moderate criteria, thus, the ethnoscience based e-booklet of chicken kolak obtained very suitable as a science teaching materials and was effective in improving students' scientific literacy.

Keywords: E-booklet, Science Literacy, ADDIE, Kolak Chicken.